(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification[7]: H04L 12/26, 12/56

(21) International Application Number:
PCT/SE2003/001636

(22) International Filing Date: 22 October 2003 (22.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0203189-6   30 October 2002 (30.10.2002)   SE
60/422,104   30 October 2002 (30.10.2002)   US

(71) Applicant (for all designated States except US): OPERAX AB [SE/SE]; Aurorum 8, S-977 75 LULEÅ (SE).

(72) Inventors; and
(75) Inventors/Applicants (for US only): JOHANSSON, Joachim [SE/SE]; Docentvägen 239, S-977 52 LULEÅ (SE). NORRGÅRD, Joakim [SE/SE]; Sandviksgatan 36 C, S-972 32 LULEÅ (SE).
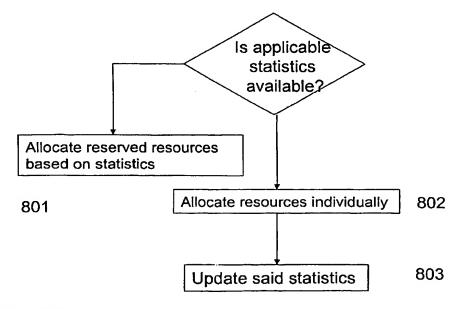
(74) Agent: DR LUDWIG BRANN PATENTBYRÅ AB; P.O. Box 17192, S-104 62 STOCKHOLM (SE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:
— of inventorship (Rule 4.17(iv)) for US only

(54) Title: METHOD AND ARRANGEMENT TO RESERVE RESOURCES IN AN IP NETWORK

(57) Abstract: ABSTRACT The invention relates to a method for pre-allocating network resources within an IP-network. Reserved resources are allocated based on usage history statistics when available usage history statistics is applicable to the resource reservation request. Network resources are allocated individually for said requested resource reservation when applicable usage history statistics is not available, and the usage history statistics is updated based upon the result of said individually allocated resources. The invention relates also to resource manager where said method is implemented and a computer program product that performs the steps of the method according to the present invention.